BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Providing retaing wall at Indira Kitchen in ward no.14

NUMBER.:

	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Est. Amount = Quantity	4.99 Rate in Rs.	Lakhs Amount in Rs.
	KSRRB M300-53 Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305(Page No. 148, It No. 19.60 of KPWD S.R 2016-17)								
	Indira Canteen								
	Kitchen Area Front	Cum	1	14.20	13.00	1.20	221.52		
	Kitchen Area Side		1	24.00	1.50	1.20	43.20		
	Canteen Area		1	12.80	13.40	1.20	205.82		
						Total Qty	**470.54**	326.16	1,53,471.33
2	KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3(Page No. 141, It No. 19.2 of KPWD S.R 2016-17)								
	Indira Canteen								
	Compound Wall for Kitchen	Cum	1	37.00	1.00	1.00	37.00		
						Total Qty	**37.00**	188.56	6,976.72
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (Page No. 12, It No. 4.3 of KPWD S.R 2016-17)								
	Indira Canteen								
	Compound Wall for Kitchen	Cum	1	37.00	1.00	0.15	5.55		
						Total Qty	**5.55**	5256.36	29,172.80
4	KSRB 5.4-3: Providing and constructing granite I trap I basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of aterials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 (Page No. 23, It No. 5.13 of KPWD S.R 2016-17)								
	Indira Canteen								
	Compound Wall for Kitchen	Cum	1	37.00	0.80	0.40	11.84		
			1	37.00	0.60	0.40	8.88		
						Total Qty	**20.72**	6019.92	1,24,732.74
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No. 23, It No. 5.9 of KPWD S.R 2016-17)								
	Indira Canteen								
	Compound Wall for Kitchen	Cum	1	37.00	0.45	0.40	6.66		
						Total Qty	**6.66**	5405.40	35,999.96
6	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.(Page No. 12, It No. 4.5 of KPWD S.R 2016-17)								
	Indira Canteen								
	Compound Wall for Kitchen	Cum	1	37.00	0.45	0.10	1.67		
						Total Qty	**1.67**	5985.36	9,995.55
7	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications, specification. No. KBS 2.9(Page No. 6, It No. 2.10 of KPWD S.R 2016-17)								
	up to 50% of Excavation Qty Sl. No.1	Cum					18.50		
						Total Qty	**18.50**	137.16	2,537.46

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	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	10.5.14.1 Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, Scaffolding curing complete as per specifications. (I.tm No.5.34, P.No 25, SR:2016-17)								
	Indira Canteen								
	Compound Wall for Kitchen	Sqm	1	37.00		1.50	55.50		
	Column		10	0.20		1.50	3.00		
						Total Qty	58.50	995.76	58,251.96
9	KSRB15-3.7 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(Page No. 15.15, It No. 113 of KPWD S.R 2016-17)								
	Indira Canteen								
	Compound Wall for Kitchen								
	Wall	Sqm	2	37.00		1.50	111.00		
	Wall Top		1	37.00	0.20		7.40		
	Column		10	0.80		1.50	12.00		
						Total Qty	130.40	263.52	34,363.01
10	Providing stone pitching on slopes using stones of approved size and packing cumquarry spalls as per drawing including cost of materials, labour, completeas per specification. MORTH specification No. 2504.(Page No,-268, I.No.-37.71 of KPWD S.R 2016-17)								
	Indira Canteen								
	Kitchen Side	Cum	1	13.50	0.30	1.50	6.08		
	Kitchen Back Side		1	14.00	0.30	1.50	6.30		
						Total Qty	12.38	1153.28	14271.84
11	KSRB 15-15.1 : Providing and applying painting with primer in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.(P.No-117 ,I No-15.51.2 of KPWD S.R 2016-17)								
	Indira Canteen								
	Compund Wall Painting Qty as pre Plaster Sl.no-8	Sqm					130.40		
						Total Qty	130.40	97.20	12,674.88
12	KSRB 15-15.2 : Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications.(P.No-117 ,I No-15.51.3 of KPWD S.R 2016-17)								
	Indira Canteen								
	Qty as per above item	Sqm					130.40		
						Total Qty	130.40	4.32	563.33
13	Providing stone pitching on slopes using stones of approved size and packing cumquarry spalls as per drawing including cost of materials, labour, completeas per specification. MORTH specification No. 2504.(Page No,-268, I.No.-37.71 of KPWD S.R 2016-17)								
	Indira Canteen								
	Kitchen Side	Cum	1	13.50	0.30	1.50	6.08		
	Kitchen Back Side		1	14.00	0.30	1.50	6.30		
						Total Qty	12.38	1153.28	14271.84
								Total Constrution cost	4,97,283.42
								Miscellaneous & Rounding Off	1,716.58
								Grand Total	4,99,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer
Ward No- 14
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Sub Division
BBMP - Bangalore

Executive Engineer
Dasrahalli Division
BBMP - Bangalore

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